

WHAT IS CLAIMED IS:

1. A method for patching applications, comprising:

5 deploying a patch package on a first computer running a first type of operating
 system,
 wherein the patch package comprises a patching mechanism and a first set
 of one or more new code components, and
 wherein the patching mechanism is also executable on a second computer
10 running a second type of operating system; and

 executing the patching mechanism on the first computer,
 wherein executing the patching mechanism comprises replacing a first set
 of one or more old code components in a first application with the
15 first set of one or more new code components.

2. The method of claim 1, further comprising:

 deploying the patch package on the second computer,
20 wherein the patch package further comprises a second set of one or more
 new code components; and

 executing the patching mechanism on the second computer,
 wherein executing the patching mechanism comprises replacing a second
25 set one or more old code components in a second application with
 the second set of one or more new code components,
 wherein the second application is functionally equivalent to
 the first application.

30 3. The method of claim 1 wherein the patching mechanism is written in Java.

4. The method of claim 1 wherein the patching mechanism is a script written in a cross-platform scripting language.

5 5. The method of claim 1, further comprising storing the first set of one or more old code components in a separate location before being replaced with the first set of one or more new code components.

6. The method of claim 5, further comprising restoring the first set of one or
10 more old code components to the first application.

7. The method of claim 1 wherein the patch package further comprises a patch information file, wherein the patch information file comprises information on the first set of one or more new code components and information regarding which
15 application the patch package is applicable to patch.

8. The method of claim 7, wherein the patch information file further comprises information on what bugs the patch package is operable to fix, and information regarding which other patch packages the patch package is incompatible with.
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9. The method of claim 8, further comprising storing information on one or more other patch packages that have been previously applied to the first application in a package information file.

25 10. The method of claim 9, further comprising detecting patch conflicts by comparing the patch information file to the package information file.

11. The method of claim 1 wherein the user interface for the patching mechanism is the same on different platforms.
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12. A system for patching applications, comprising:

5 a first computer running a first type of operating system;

a first application executable on the first computer,

wherein the first application comprises one or more old code components;

and

10 a patch package comprising a patching mechanism and a first set of one or more new code components,

wherein the patching mechanism is executable on the first computer to replace the one or more old code components with the first set of

15 one or more new code components, and

wherein the patching mechanism is also executable on a second computer running a second type of operating system.

13. The system of claim 12, further comprising:

20 a second application executable on the second computer,

wherein the second application comprises a second set of one or more old code components, and

25 wherein the second application is functionally equivalent to the first application; and

a second set of new code components,

wherein the second set of new code components is stored in the patch package, and

wherein executing the patching mechanism on the second computer comprises replacing the second set of one or more old code components with the second set of one or more new code components.

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14. The system of claim 12 wherein the patching mechanism is written in Java.

15. The system of claim 12 wherein the patching mechanism is a script written
10 in a cross-platform scripting language.

16. The system of claim 12 wherein the patching mechanism is further operable to store the first set of one or more old code components in a separate location before being replaced with the first set of one or more new code components.

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17. The system of claim 16 wherein the patching mechanism is further operable to restore the first set of one or more old code components to the first application.

20 18. The system of claim 12 wherein the patch package further comprises a patch information file, wherein the patch information file comprises information on the first set one or more new code components and information regarding which application the patch package is applicable to patch.

25 19. The system of claim 18, wherein the patch information file further comprises information on what bugs the patch package is operable to fix, and information regarding which other patch packages the patch package is incompatible with.

20. The system of claim 19 wherein the patching mechanism is further operable to store information on one or more other patch packages that have been previously applied to the first application in a package information file.

5 21. The system of claim 20 wherein the patching mechanism is further operable to detect patch conflicts by comparing the patch information file to the package information file.

 22. The system of claim 12 wherein the user interface for the patching
10 mechanism is identical on different platforms.